For years, a key part of the Biolac System has been the simple, common wall secondary clarifier that completes the system. Efficient liquid-solids separation is critical to maintaining high quality effluent and the Biolac® clarifier has proven to perform with excellent reliability. Many plants produce effluent TSS between 5 and 10 mg/l. Along with hundreds of successful installation over the past 25 years comes the experience and learning that leads to new innovation and development.

The EZClear™ design builds on the successful innovation of the existing Biolac® clarifier while maintaining all the features and benefits that owners want.

- Low effluent TSS
- Rapid sludge removal
- Simple maintenance of all equipment from the surface
- Gravity RAS flow option
- Low hydraulic profile

With lengths up to 100 feet, the EZClear™ almost doubles the available surface area per clarifier, expanding the range of application and further reducing operation and maintenance requirements while improving effluent quality.
Biolac® EZClear™ Clarifier

**Features**

- Effluent TSS guaranteed – as low as 10 mg/l TSS
- Turned 90° from the original Biolac™ clarifier, the EZClear™ Clarifier is available in lengths up to 100 feet.
- Vertical, common wall construction with the Biolac™ treatment basin and other structures
- Low-velocity, equally distributed crossflow design
- EZClear™ feed channel orifices control the flow into the clarifier
- Feed channel slide gate
- Rapid sludge removal from the entire EZClear™ V-bottom
- Surface wasting slide gate
- Automated scum skimming and removal
- Both airlift pumps with gravity RAS flow, and mechanical pumps with pumped RAS flow are available

**Benefits**

- Provides the owner with the confidence and security of a successful EZClear™ installation
- The surface area available per clarifier is increased by over 80%, providing higher flow capacity for lower total cost
- Reduces the amount of concrete and excavation required, lowering the cost of construction. Clarifier/RAS footprint is at least 30% less than with separate circular clarifiers
- Inlet distribution pipes ensure superior hydraulic efficiency and eliminates the density currents that destroy clarifier performance
- Controlled equalization can automatically be provided in the Biolac® treatment basin, dampening short term peak clarifier loading, improving performance
- Provides easy isolation of each EZClear™ from the Biolac® treatment basin
- Keeps sludge healthy and in the process treating wastewater – no danger of denitrification or P re-release in the sludge collection zone
- Improves process stability and performance while reducing operator time and attention
- Allows for removal of poor settling floc/scum from the clarifier feed. The operator decides when and how much to waste this way
- Minimizes scum flow while reducing operator time and attention
- Design flexibility depending on plant hydraulics and operator preference